

Title (en)  
NON-AQUEOUS ELECTROLYTE CELL

Title (de)  
NICHTWÄSSRIGE ELEKTROLYTISCHE ZELLE

Title (fr)  
CELLULE ELECTROLYTIQUE NON-AQUEUSE

Publication  
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Application  
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Abstract (en)  
The non-aqueous electrolyte battery of the present invention has a negative electrode comprising metallic lithium, a lithium alloy or a material capable of absorbing and desorbing lithium; a positive electrode; a non-aqueous electrolyte comprising a solvent and a solute dissolved in the solvent, wherein the above non-aqueous electrolyte contains at least one additive selected from phthalimide, derivative of phthalimide, phthalimidine, derivative of phthalimidine, tetrahydrophthalimide and derivative of tetrahydrophthalimide. On account of the effect of the above additive, the non-aqueous electrolyte battery of the present invention is not liable to cause an increase in the internal resistance during a long-term storage at high temperatures, and the charge/discharge cycle characteristics are improved in a secondary battery. <IMAGE>

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IPC 8 full level  
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